

**Amendments to the Claims:**

This listing of the claims will replace all prior versions, and listings, of claims in the present application.

**Listing of Claims:**

1. (Currently Amended) A housing for electronic control units, wherein the housing is situated in a motor vehicle, the housing comprising:
  - a bottom section configured to be affixed to a circuit board; and
  - a cooling device for enabling heat to be dissipated from the housing via a liquid flowing therethrough, wherein the cooling device is integrally formed in the bottom section, and wherein the bottom section is formed as a cooling plate, and wherein the cooling device includes at least one one-piece cooling tube integrally formed in, and seamlessly enclosed to, the bottom section and extending substantially across the length of the bottom section, and wherein the entire bottom section including the one-piece cooling tube is formed of a single structural component without joining seams.
2. (Canceled).
3. (Canceled).
4. (Canceled).
5. (Previously Presented) The housing according to claim 1, wherein sectional members for conducting heat and reinforcing the bottom section are connected to the outside of the cooling tube.
6. (Previously Presented) The housing according to claim 1, wherein the cooling tube is a linear cooling tube which passes through the bottom section in a linear manner.
7. (Previously Presented) The housing according to claim 1, wherein the cooling tube has a round cross-section.

8. (Previously Presented) The housing according to claim 1, wherein an inlet of the cooling tube and an outlet of the cooling tube have threaded connectors leading into and out of the bottom section.

9. (Previously Presented) The housing according to claim 1, wherein the cooling device includes a plurality of one-piece cooling tubes integrally formed in the bottom section.

10. (Previously Presented) The housing according to claim 9, wherein the one-piece cooling tubes are connected by at least one separate cross hole.

11. (Original) The housing according to claim 1, wherein the bottom section is manufactured by injection molding.

12. (Original) The housing according to claim 1, wherein the bottom section is manufactured by die-casting.

13. (Canceled).